



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D350-567-143
Job Sheet 190069



00857.5

Part No: D350-567-143

Job Qty: 1 pcs

Part Name: Floor Window Close Out (Energy Attenuating Seats)



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/4/19

Job Tracking No:

Due Date: 3/11/19

Created By: Jesse White

Type: Stock

Description: SIOP

Note: DSI 9590 REV.G IPP REV:A 13.04.01 AS PER DSI9590 REV.E DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	3/11/19	0.00	0.00		Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		
							Packaging 1 - 31		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL : 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S159994



Part: D350-567-143

Job No: 190069

Serial No/Batch: S159994

Revision: G

Inspector:

Exp Date:

Instructions: TC STC SH92-18 Issue 6, FAA STC SH989NE

Plex 2/4/19 4:13 PM dart.white.jesse

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120 QC 4	1 pcs	3/11/19	0.00 0.00		QC 4 - 26	
					QC 4 - 28	
					QC 4 - 38	
					QC 4 - 42	
					QC 4 - 58	
					QC 4 - 6	
					QC 4 - 69	
					QC 4 - 9	
					QC 4 - 46	
130 Packaging 3-1 - Stock - B4B	1 pcs	3/11/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
135 DC - 1 - B4B	1 pcs	3/11/19	0.00 0.00		DC - 1 - B4B	
					DC - 2 - B4B	
140 QC 21 - FG	1 pcs	3/11/19	0.00 0.00		QC 21 - FG - 21	
					QC 21 - FG - 70	
					QC 21 - SA - 53	
Part Op 110 - (Pick Kit)						
Descriptions: 120 - (QC4- 100% Inspect kits for completeness)						
130 - (Identify as per dwg & Stock Location: _____) Identify and pack for shipping as per PPP D350-567-143						
Location: _____						

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date : _____	Sequence #: _____	QTY Affected : _____		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details: _____					

135 - Document Control) Photocopy bluefile & type labels per PPP D350-567-143 CHG001

140 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-3A	Bolt	5 Ea (5 ea)	110-Packaging 1 - Pick Kit	5131193
AN525-10R6	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	F11137387
AN525-832R7	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5089346
D3802-1	Window Seal (\$ Per Foot)	2 ft (2 ea)	110-Packaging 1 - Pick Kit	5104211
D4434-041	Fwd Bracket Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5155844
D4434-047	Cover Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5152623
D4435-9	Bracket	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	5152439
D4436-041	Aft Bracket Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5154781
D4441-1	Rubber Seal	2 ft (2 ea)	110-Packaging 1 - Pick Kit	5652162
D4971-041	T/R Bellcrank Cover Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	5137462
MS21042L06	Nut	7 Ea (7 ea)	110-Packaging 1 - Pick Kit	5148664
MS21042L08	Nut	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5134763
MS21042L3	Nut	5 Ea (5 ea)	110-Packaging 1 - Pick Kit	5130342
MS21059L3	Nut Plate	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5156471
MS35206-229	Screw	7 Ea (7 ea)	110-Packaging 1 - Pick Kit	5143702
NAS1149F0332P	Washer	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	5157648
NAS1149FN616P	Washer	14 Ea (14 ea)	110-Packaging 1 - Pick Kit	5144954
NAS1149FN816P	Washer	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	F117316-25

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	AN3-3A	5	219	0
	AN525-10R6	2	409	0
	AN525-832R7	2	135	0
	D3802-1-024"	2-1x each	118	0
	D4434-041	1	8	0
	D4434-047	1	0	0
	D4435-9	2	24	0
	D4436-041	1	1	0
	D4441-1 024"	2-1x each	472	0
	D4971-041	1	7	0
	MS21042L06	7	187	0
	MS21042L08	2	1,217	0
	MS21042L3	5	2,782	0
	MS21059L3	2	44	0
	MS35206-229	7	277	0
	NAS1149F0332P	10	3,048	0
	NAS1149FN616P	14	835	0
	NAS1149FN816P	2	225	0

Part Specifications

Specifications could not be found.

Plex 2/4/19 4:13 PM dart.white.jesse

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			

2.0 Parts List



Qty -141	Qty -143	Qty -145	Qty -147	Part Number	Description
X				D350-567-141	FLOOR WINDOW CLOSE-OUT KIT (REGULAR SEATS)
	X			D350-567-143	FLOOR WINDOW CLOSE-OUT KIT (ENERGY ATTENUATING SEATS)
		X		D350-567-145	FLOOR WINDOW CLOSE-OUT KIT (AS 350B3e)
			X	D350-567-147	FLOOR WINDOW CLOSE-OUT KIT (AS 350B3e WITH GARMIN TRANSPONDER)
1	1	1	1	D3802-1-024	SEAL (24")
1	1			D4434-041	FWD BRACKET ASSEMBLY
1	1			D4434-047	COVER ASSEMBLY
1				D4435-045	T/R BELLCRANK COVER ASSEMBLY
2	2	2	2	D4435-9	BRACKET
1	1	1		D4436-041	AFT BRACKET ASSEMBLY
			1	D4436-047	AFT BRACKET ASSEMBLY
1	1	1	1	D4441-1-240	RUBBER SEAL (24")
		1	1	D4730-020-030	VELCRO STRIP
	1	1	1	D4971-041	T/R BELLCRANK COVER ASSEMBLY
		1		D5076-041	FWD BRACKET ASSEMBLY
			1	D5076-047	FWD BRACKET ASSEMBLY
7	5	5	5	AN3-3A	BOLT
2	2	2	2	AN525-10R6	SCREW
2	2	2	2	AN525-832R7	SCREW
		1	1	CB 200	3.5g ACRYLIC ADHESIVE
7	7	7	7	MS21042L06	NUT (OR MS21042-06)
2	2	2	2	MS21042L08	NUT (OR MS21042-08)
5	5	5	5	MS21042L3	NUT (OR MS21042-3)
2	2	2	2	MS21059L3	NUTPLATE
7	7	7	7	MS35206-229	SCREW
12	10	10	10	NAS1149F0332P	WASHER (AN960-10L)
14	14	14	14	NAS1149FN616P	WASHER (OR AN960-6L)
2	2	2	2	NAS1149FN816P	WASHER (OR AN960-8L)



CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 18.09.22
CERT. NO.: SH92-18
ISSUE NO.: 6

APPROVED

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	PM	DRAWING NO.	REV. G
MFG. APPR.	N/A	DSI 9590	SHEET 2 OF 21
APPROVED	WK	TITLE	SCALE
DE APPR.	DS	FLOOR WINDOW CLOSE-OUT KIT	NTS
DATE	18.09.22	COPYRIGHT © 2012 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

2.0 Parts List

Qty -141	Qty -143	Qty -145	Part Number	Description
X			D350-567-141	FLOOR WINDOW CLOSE-OUT KIT (REGULAR SEATS)
	X		D350-567-143	FLOOR WINDOW CLOSE-OUT KIT (ENERGY ATTENUATING SEATS)
		X	D350-567-145	FLOOR WINDOW CLOSE-OUT KIT (AS 350 B3e)
1	1	1	D3802-1-024	SEAL (24")
1	1		D4434-041	FWD BRACKET ASSEMBLY
1	1		D4434-047	COVER ASSEMBLY
1			D4435-045	T/R BELLCRANK COVER ASSEMBLY
2	2	2	D4435-9	BRACKET
1	1	1	D4436-041	AFT BRACKET ASSEMBLY
1	1	1	D4441-1-240	RUBBER SEAL (24")
		1	D4730-020-030	VELCRO STRIP
	1	1	D4971-041	T/R BELLCRANK COVER ASSEMBLY
		1	D5076-041	FWD BRACKET ASSEMBLY
7	5	5	AN3-3A	BOLT
2	2	2	AN525-10R6	SCREW
2	2	2	AN525-832R7	SCREW
		1	CB 200	3.5g ACRYLIC ADHESIVE
7	7	7	MS21042L06	NUT (OR MS21042-06)
2	2	2	MS21042L08	NUT (OR MS21042-08)
5	5	5	MS21042L3	NUT (OR MS21042-3)
2	2	2	MS21059L3	NUTPLATE
7	7	7	MS35206-229	SCREW
12	10	10	NAS1149F0332P	WASHER (AN960-10L)
14	14	14	NAS1149FN616P	WASHER (OR AN960-6L)
2	2	2	NAS1149FN816P	WASHER (OR AN960-8L)

3.0 Weight and Balance

The following is the net weight increase associated with the D350-567-141/-143/-145 Kits.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-567-141/-143/-145	3.9 lb	17.9 in	69.8 in-lb	65.5 in	255.5 in-lb
Floor Window Close-out Kit	1.77 kg	0.45 m	0.80 m-kG	1.66 m	2.94 m-kG

4.0 Installation Procedure

Notes:

- Figure 2 shows the general arrangement and installation of the D350-567-141/-143/-145 Close-out Kits. The procedure that follows outlines the step-by-step procedures for installing the kit with reference photos from the initial installation.
- In conjunction with this modification, it is acceptable to remove the interior floor windows as applicable. Note that the structural reinforcement around the window opening is still required.
 - D350-567-115 - OK to remove D3295-041
 - D350-567-031 - OK to remove D3212-1
 - D350-567-011 - OK to remove D2214
 - D350-567-021 - OK to remove D2951
- It is acceptable to drill/trim the D350-567-141/-143/-145 Close-out Kits as required to improve fit.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 15.01.12
CERT. NO.: SH92-18
ISSUE NO.: 6

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. F
MFG. APPR.	N/A	DSI 9590	SHEET 2 OF 19
APPROVED		TITLE	SCALE
DE APPR.		FLOOR WINDOW CLOSE-OUT KIT	NTS
DATE	15.01.12	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	